PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY	· ¬			
BRANDT, KERSTIN B.	PCT			
c/o Magna International Inc. Magna Intellectual Property Department	NOTIFICATION OF TRANSMITTAL OF			
Magna Intellectual Property Department 337 Magna Drive MAGNA INTERNATIONAL I	THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL			
AURORA, Ontario FATENT DEPARTMENT Canada, L4G 7K1 RECEIVED	SEARCHING AUTHORITY, OR THE DECLARATION			
MAY 1 2 2005	(PCT Rule 44.1)			
72483	Date of mailing 09 May 2005 (09-05-2005) (day/month/year)			
Applicant's or agent's file reference 703433PCT	FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No.	International filing date: 23 December 2004 (23-12-2004)			
PCT/CA2004/002194	(day/month/year)			
Applicant DECOMA INTERNATIONAL INC.				
· · · · · · · · · · · · · · · · ·	search report and the written opinion of the International Searching			
Authority have been established and are transmitted h				
Filing of amendments and statement under Article 1 The applicant is entitled, if he so wishes, to amend the	9: claims of the international application (see Rule 46):			
When? The time limit for filing such amendments is international search report.	normally two months from the date of transmittal of the			
Where? Directly to the International Bureau of WIPC 1211 Geneva 20, Switzerland, Facsimile No.	2, 34 chemin des Colombettes : +41 22 740 14 35			
For more detailed instructions, see the notes on the a	그 없는 그는 사람들은 사람들은 사람들이 가는 사람들이 가는 사람들이 가는 중심지.			
2. [] The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.				
1 · · · · · · · · · · · · · · · · · · ·	dditional fee(s) under Rule 40.2, the applicant is notified that:			
[] the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.				
[] no decision has been made yet on the protest; the	he applicant will be notified as soon as a decision is made.			
4. Reminders Shortly after the expiration of 18 months from the priority Bureau. If the applicant wishes to avoid or postpone public claim, must reach the International Bureau as provided in preparations for the international publication.	date, the international application will be published by the International action, a notice of withdrawal of the international application, or of the priority Rules 90bis. 1 and 90bis.3, respectively, before the completion of the technical			
The applicant may submit comments on an informal basis of International Bureau. The International Bureau will send a preliminary examination report has been or is to be establishefore the expiration of 30 months from the priority date.	on the written opinion of the International Searching Authority to the copy of such comments to all designated Offices unless an international shed. These comments would also be made available to the public but not			
Within 19 months from the priority date, but only in respect examination must be filed if the applicant wishes to postpo some Offices even later); otherwise, the applicant must, withinto the national phase before those designated Offices.	ct of some designated Offices, a demand for international preliminary ne the entry into the national phase until 30 months from the priority date (in thin 20 months from the priority date, perform the prescribed acts for entry			
T	months (or later) will apply even if no demand is filed within 19 months.			
See the Annex to Form PCT/IB/301 and, for details about to Volume II, National Chapters and the WIPO Internet site.	the applicable time limits, Office by Office, see the PCT Applicant's Guide,			
Name and mailing address of the ISA/CA	Authorized officer			
Canadian Intellectual Property Office Place du Portage I, C114 - 1st Floor, Box PCT	Lucille Leonard (819) 953-1737			
50 Victoria Street Gatineau, Quebec K1A 0C9 Facsimile No.: 001(819)953-2476				

Form PCT/ISA/220 (January 2004)

NOTES TO FROM PCT/ISA/220

These Notes are intended to give instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report and the written opinion of the International Searching Authority, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only (see PCT Applicant's Guide, Volume I/A, Annexes B1 and B2).

The attention of the applicant is drawn to the fact that amendments to the claims under Article 19 are not allowed where the International Searching Authority has declared, under Article 17(2), that no international search report would be established (see PCT Applicant's Guide, Volume I/A, paragraph 296).

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- 1. [Where originally there were 48 claims and after amendment of some claims there are 51]: "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- 3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]: "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under Article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments and any accompanying statement, under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the time of filing the amendments (and any statement) with the International Bureau, also file with the International Preliminary Examining Authority a copy of such amendments (and of any statement) and, where required, a translation of such amendments for the procedure before that Authority (see Rules 55.3(a) and 62.2, first sentence). For further information, see the Notes to the demand form (PCT/IPEA/401).

If a demand for international preliminary examination is made, the written opinion of the International Searching Authority will, except in certain cases where the International Preliminary Examining Authority did not act as International Searching Authority and where it has notified the International Bureau under Rule 66.1bis(b), be considered to be a written opinion of the International Preliminary Examining Authority. If a demand is made, the applicant may submit to the International Preliminary Examining Authority a reply to the written opinion together, where appropriate, with amendments before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later (Rule 43bis.1(c)).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, upon entry into the national phase, a translation of the claims as amended under Article 19 may have to furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see the PCT Applicant's Guide, Volume II.

PATENT COOPERATION TREATY

INTERNATIONAL SEARCH REPORT (PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 703433PCT	FOR FURTHER ACTION as	see Form PCT/ISA/220 well as, where applicable, item 5 below				
International application No. PCT/CA2004/002194	International filing date (day/month/year) 23 December 2004 (23-12-2004)	(Earliest)Priority date (day/month/year) 23 December 2003 (23-12-2003)				
Applicant DECOMA INTERNATIONA	L INC. ET AL					
This international search report has been Article 18. A copy is being transmitted	n prepared by this International Searching Authority to the International Bureau.	and is transmitted to the applicant according to				
This international search report consists	of a total of 3 sheets.					
[X] It is also accompanied by a	copy of each prior art document cited in this report	•				
1. Basis of the report						
With regard to the language, the it was filed, unless otherwise ind	international search was carried out on the basis of leated under this item.	the international application in the language in which				
[] The international Authority (Rule 2)	search was carried out on the basis of a translation o 3.1(b)).	f the international application furnished to this				
b. [] With regard to any nucleot	ide and/or amino acid sequence disclosed in the int	ternational application, see Box No. I.				
2. [] Certain claims were found	d unsearchable (see Bôx No. II):					
3. [] Unity of invention is lacki	ng (see Box No. III).					
4. With regard to the title,						
[X] the text is approved as subt	nitted by the applicant.					
[] the text has been established	d by this Authority to read as follows:					
5. With regard to the abstract,						
	[X] the text is approved as submitted by the applicant.					
	[] the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant					
may, within one month fro	m the date of mailing of this international search rep	ort, submit comments to this Authority.				
With regard to the drawings,		en e				
a. the figure of the drawings	to be published with the abstract is Figure No.	3				
[X] as suggested by the	→					
[] as selected by this	s authority, because the applicant failed to suggest a	figure.				
[] as selected by this	s Authority, because this figure better characterizes t	he invention.				
b. [] none of the figure	s is to be published with the abstract.					
	- -					

INTERNATIONAL SEARCH REPORT

International application No. PCT/CA2004/002194

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B29C 44/34, B29C 44/58, B29C 45/00

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B29C, USPC: 264, 293, 343

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used)
Delphion, Questel-Orbit (Pluspat), USPTO, CPD with key words, such as, steam chest mold or mould; foam, expanded plastics, expandable plastics, beads or particles, side core or side cavity, die draw and slides.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No(s).
Y, P	US 6,821,465 B1 (STEIN, A.C. et al.) 23 November 2004 (23-11-2004) the whole document	1-22
Y	US 2002/0121715 A1 (SANDEFER, P. et al.) 5 September 2002 the whole document	1-22
Y	US 6,353,415 B1 (ASHTIANI, M. et al.) 5 March 2002 (05-03-2002) the whole document	1-22
Υ Υ	US 2003/0111852 A1 (CARLEY, M. et al.) 19 June 2003 (19-06-2003) the whole document	1-22
Y	Injection Mould Design>, 4th ed, (PYE, R. G. W) 1983 pages 301-339, specially in section 9:1 on pages 301-309 and Fig. 9.3	1-22

		1. *	
] F	Further documents are listed in the continuation of Box C.	{X}	See patent family annex:
*	Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A"	document defining the general state of the art which is not considered to be of particular relevance earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*Y**	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O"	document referring to an oral disclosure; use, exhibition or other means document published prior to the international filing date but later than the priority date claimed	" & "	document member of the same patent family
Date	of the actual completion of the international search	Date	of mailing of the international search report
05 A	pril 2005 (05-04-2005)	09 M	ay 2005 (09-05-2005)
Name and mailing address of the ISA/CA Canadian Intellectual Property Office		Autho	orized officer
Place du Portage I, C114 - 1st Floor, Box PCT 50 Victoria Street		Peng	fei Zhang (819) 953-0654
Gatin	eau, Quebec K1A 0C9 mile No.: 001(819)953-2476		

INTERNATIONAL SEARCH REPORT Information on patent family members

International application No. PCT/CA2004/002194

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date	
US6821465	23-11-2004	NONE		
US2002121715 A1		US6695998 B2 US2004150127 A1 WO03041936 A1	24-02-2004 05-08-2004 22-05-2003	
US6353415 B1	05-03-2002	EP1206002 A2	15-05-2002	
US2003111852 A1	16-06-2003	AU2002361657 A1 US6793256 B2 WO03051678 A1	30-06-2003 21-09-2004 26-06-2003	·

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

AURORA, Ontario	T DEPARTMENT RECEIVED AY 1 2 2005	C. WI INTERNAT Date of mailing (day/month/year)	PCT RITTEN OPINION OF THE TONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) 09 May 2005 (09-05-2005)			
Applicant's or agent's file reference 703433PCT	TED TOSYSSIC	FOR FURTHER A	ACTION ee paragraph 2 below			
	International filing date 23 December 2004 (23		Priority date (day/month/year) 23 December 2003 (23-12-2003)			
	International Patent Classification (IPC) or both national classification and IPC IPC 7: B29C 44/34, B29C 44/58, B29C 45/00					
Applicant DECOMA INTERNATIONAL	INC. ET AL					
This opinion contains indications relative [X] Box No. I Basis of [] Box No. II Priority	the opinion					
[] Box No. IV Lack of	unity of invention		ventive step and industrial applicability			
applicat	bility; citations and expla		to novelty, inventive step or industrial statement.			
	documents cited defects in the internation	nal application				
[X] Box No. VIII Certain observations on the international application. 2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chos IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.						
together, where appropriate, with amendme	If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.					
For further options, see Form PCT/ISA/220 3. For further details, see notes to Form PCT/I						
Name and mailing address of the ISA/CA Canadian Intellectual Property Office Place du Portage I, C114 - 1st Floor, Box 50 Victoria Street Gatineau, Quebec K1A 0C9 Facsimile No.: 001(819)953-2476		Authorized officer Peng	gfei Zhang (819) 953-0654			

International application No. PCT/CA2004/002194

Во	x No. I	Basis of this opinion	
1.	With reg was filed	ard to the language, this opinion, unless otherwise indicated unde	has been established on the basis of the international application in the language in which it r this item.
	f 1This	oninion has been established on	the basis of a translation from the original language into the following language
	4 J - 1		is the language of a translation furnished for the purposes of international search
	(und	ler Rules 12.3 and 23.1(b)).	
2.	With reg	ard to any nucleotide and/or amin, this opinion has been established	no acid sequence disclosed in the international application and necessary to the claimed d on the basis of :
	a. type	of material	
	. [a sequence listing	
	[.	table(s) related to the sequence	listing
	b. form	at of material	
	- [; .	in written format	
	[in computer readable form	
	c. time	of filing/furnishing	
,	1	contained in the international	application as filed.
	ŗ		ional application in computer readable form.
			Authority for the purposes of search.
3.	[] In a	ddition, in the case that more than	one version or copy of a sequence listing and/or table relating thereto has been filed or
•	fun file	ished, the required statement that I or does not go beyond the appli	the information in the subsequent or additional copies is identical to that in the application as cation as filed, as appropriate, were furnished.
4.	Addition	al comments:	
		, , , , , , , , , , , , , , , , , , ,	
	•		
	•		

International application No. PCT/CA2004/002194

Box No. V Reasoned statement under Rule 43bis.1(a)(I) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-22	YES
	Claims	NONE	NO
Inventive step (IS)	Claims	NONE	YES
	Claims	1-22	NO
Industrial applicability (IA)	Claims	1-22	YES
	Claims	NONE	NO

2. Citations and explanations:

D1: US 6,821,465 B1 (STEIN, A.C. et al.) 23 November 2004 (23-11-2004)

D2: US 2002/0121715 A1 (SANDEFER, P. et al.) 5 September 2002 (05-09-2002)

D3: US 6,353,415 B1 (ASHTIANI, M. et al.) 5 March 2002 (05-03-2002)

D4: US 2003/0111852 A1 (CARLEY, M. et al.) 19 June 2003 (19-06-2003)

D5: <Injection Mould Design>, 4th ed, (PYE, R. G. W) 1983

D1 or D2 or D3 or D4 discloses a panel-like molded article by using a steam chest molding method.

D5 teaches a general method for making a mold having a side core or side cores, or a side cavity or side cavities, wherein a molded article can have a molded feature out of die draw.

1 Novelty

The subject matter defined in claims 1-22 can be considered to meet the requirements of PCT Article 33 (2) because the cited art does not fully discloses the claimed invention.

2 Inventive Step

Claims 1-22 do not comply with PCT Article 33 (3). The subject matter of these claims would have been obvious on the claim date to a person skilled in the art or science to which they pertain having regard to D1 or D2 or D3 or D4 in view of D5. The claims differ from D1 or D2 or D3 or D4 in that the molded article comprises at least one out of die draw feature. However, D5 teaches a general method for making a mold having a side core or side cores, or a side cavity or side cavities (pages 301-339), wherein a molded article can have a molded feature out of die draw. Thus, it would be obvious to a person skilled in the art to incorporate the teachings of D5 with the molded article of D1 or D2 or D3 or D4.

3 Industrial Applicability

The subject matter of claims 1-22 is considered to be industrially applicable and thus fulfils the requirements of PCT Article 33 (4).

International application No. PCT/CA2004/002194

Box No. VII	Certain defects in the international application
The following defe	ects in the form or contents of the international application have been noted:
Each main techni by a reference si	ical feature mentioned in the abstract and illustrated by a drawing in the international application shall be followed gn placed between parentheses (Article 8.1 (d)).
,	

International application No. PCT/CA2004/002194

Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

Claims 1-2, 14 and 19 are vague and do not comply with PCT Article 6. The claims should clearly and structurally define the molded feature or the features.

The description does not comply with PCT Article 6. A statement, such as found on page 11, lines 12-15, which implies that the protection sought may be expanded to cover the "spirit" of the invention, should be removed.

The description does not comply with PCT Article 5. A statement in an application, such as found on page 6, line 11; page 6, line 18 and page 7, line 14 which incorporates by reference any other document, does not fully describe the invention. The description should complete in and on itself.

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